

Listing of Claims:

1. (Canceled)
2. (Currently Amended)
A composition of matter comprising at least one polypeptide of claim 1 in a pharmaceutically acceptable carrier.
3. (Currently Amended)
The polypeptide of claim 1 bound to a second peptide to form a fusion protein wherein said second peptide ~~which~~ acts as an adjuvant.
4. (represented)
The polypeptide of claim 3 wherein the second peptide is the A2 peptide of cholera toxin.
5. (Represented)
The composition of claim 2 wherein the polypeptide of the neurotoxin of C. botulinum is bound to the A2 peptide of cholera toxin.
6. (represented)
A method of immunizing a mammal susceptible to botulism by administration of a composition of claim 3.
7. (represented)
The method of claim 6 wherein the composition contains a polypeptide of neurotoxin of C. botulinum bound to the A2 peptide of cholera toxin.

8. (Currently amended)

An isolated polypeptide consisting of at least 100 amino acids from either domain H₄₄₅₋₆₆₁ (Seq. ID No. 8) or H₁₁₅₀₋₁₂₈₉ (Seq. ID No. 20) of the neurotoxin of C. Botulinum, said polypeptide being of 15 - 30 kDa in size.